

This document was submitted to EPA by a registrant in connection with EPA's evaluation of this chemical, and it is presented here exactly as submitted.

48

March 21, 2000

Via Hand Delivery

Mr. Robert C. McNally, Chief (MC-7508W)
Special Review Branch
Special Review and Reregistration Division
United States Environmental
Protection Agency
1921 Jefferson Davis Highway
Crystal Mall 2
6th Floor
Arlington, VA 22202

Re: DDVP PRA

Dear Mr. McNally:

Appended are copies of the studies listed in Amvac Chemical Corporation's (Amvac) March 17, 2000, submission to you, along with a copy of the reference list, which has been revised to correct minor typographical errors.

We hope these studies will assist EPA in its review of Amvac's March 17, 2000, submission.

Sincerely,



Mr. Ian S. Chart
Amvac Chemical Corporation

Attachments

cc: Mr. Jack E. Housenger (w/attachments) (via hand delivery)

27LT004_280[03]

- Anderson, R.H. and R.G. Wahlstrom. (1970). Effects of energy intake and dichlorvos during gestation on reproductive performance of gilts and some chemical characteristics of the offspring. *J Anim Sci* 13:907-916.
- Batte, E.G., O.W. Robison and D.J. Moncol. (1969). Influence of dichlorvos on swine reproduction and performance of offspring to weaning. *J Am Vet Med Assoc* 154(11):1397.
- Bazer, F.W., O.W. Robison and L.C. Ulberg. (1969). Effect of dichlorvos and PMS on reproduction in swine. *J Anim Sci* 28:145.
- Berge, G.N. and I. Nafstad. (1986). Distribution and placental transfer of trichlorfon in guinea pigs. *Arch Toxicol* 59:26-29.
- Berge, G.N., F. Fonnum and P. Brodal. (1987a). Neurotoxic effects of prenatal trichlorfon administration in pigs. *Acta Veterinaria Scandinavica* 28(3-4):321-332.
- Berge, G.N., F. Fonnum, N.E. Soli and E. Sognen. (1987b). Neurotoxicological examination of the piglet brain after prenatal and postnatal exposure to trichlorfon. *Acta Veterinaria Scandinavica* 28(3-4):313-320.
- Bunding, I.M., R. Young, M.A. Schooley and J.A. Collins. (1972). Maternal dichlorvos effects on farrowing parameters. *J Anim Sci* 35:238.
- Collins, J.A., M.A. Schooley and V.K. Singh. (1971). The effect of dietary dichlorvos on swine reproduction and viability of their offspring. *Toxicol Appl Pharmacol* 19:377.
- Hjelde, T., A. mehl, T.M. Schanke and F. Fonnum. (1998). Teratogenic effects of the trichlorfon (Metrifonate) on the guinea-pig brain. Determination of the effective dose and the sensitive period. *Neurochem Int* 32(5-6):469-77.
- Knox, B., J. Askaa, A. Basse, V. Bitsch, M. Eskildsen, M. Mandrup, H.E. Ottosen, E. Overby, K.B. Pedersen and F. Rasmussen. (1978). Congenital ataxia and tremor with cerebellar hypoplasia in piglets borne by sows treated with Neguvon® vet. (metrifonate, trichlorfon) during pregnancy. *Nord Vet Med* 30(12):538-545.
- Mehl, A., T.M. Schanke, B.A. Johnsen and F. Fonnum. (1994). The Effect of Trichlorfon and Other Organophosphates on Prenatal Brain Development in the Guinea Pig. *Neurochemical Research* 19(5):569-574.
- Pope, A.M., J.E. Heavner, J.A. Guarnieri and C.P. Knobloch. (1986). Trichlorfon-induced congenital cerebellar hypoplasia in neonatal pigs. *J Am Vet Med Assoc* 189:781-783.



- Potter, J.C., A.C. Boyer, R.L. Marxmiller, R. Young and J.E. Loeffler. (1973). Radioisotope residues and residues of dichlorvos and its metabolites in pregnant sows and their progeny dosed with dichlorvos- 14 C or dichlorvos- 36 C1 formulated as PVC pellets. *J Agric Food Chem* 21(4):734-738.
- Siers, D.G., D.E. DeKay and H.J. Mersmann. (1976). Late gestation feeding of dichlorvos: A physiological characterization of the neonate and a growth-survival response. *J Anim Sci* 42:381-392.
- Siers, D.G., L.J. Brown, D.E. DeKay, H.J. Mersmann and H.C. Stanton. (1976). [Effect of maternal dichlorvos treatment on] piglet birth measurements and their relationship to subsequent performance. International Pig Veterinary Society: Proceedings of the International Congress 1976 4th: D.26.
- Siers, D.G., M.A. Schooley, L.J. Brown and H.C. Stanton. (1977). Management program for improving sow and gilt performance by feeding dichlorvos. *Am J Vet Res* 18:1997-99.
- Stanton, H.C., J.R. Albert and H.J. Mersmann. (1979). Studies on the pharmacology and safety of dichlorvos in pigs and pregnant sows. *Am J Vet Research* 40:315-320.
- Wrathall, A.E., D.E. Wells and P.H. Anderson. (1980). Effect of feeding dichlorvos to sows in mid-pregnancy. *Zbl Vet Med A* 27:662-668.